



This map shows the textures of surficial sediments in the quadrangle, independent of interpretations regarding their origin. For example, poorly sorted sediments deposited directly from glacial ice are shown here as "diamicton," although they may be

genetically classified as "till." The symbols listed below indicate materials observed in borrow pits and other surface exposures, as well as subsurface data from various sources. Where more than one textural class is present, materials are separated by commas and listed in decreasing order of abundance (e.g. s, st, cy). Individual materials may occur in distinct layers, or they may be mixed. Hyphens show the ranges of particle sizes present where their relative abundances are uncertain (e.g. st-c). Slash marks indicate superposition of materials; thicknesses are in feet (e.g. 10s/3cy). "Σ" indicates a significant stratigraphic sequence of interbedded materials. Some borrow pits and other localities may be designated by numbers that refer to descriptions in the quadrangle text. Not all symbols will necessarily be found on the map.

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GRAVEL	g	Undifferentiated subdivided by size		as	a	general	term.	Can	be

Boulder gravel >256 mm (10") Cobble gravel 64-256 mm (2.5-10")

2-64 mm (0.1-2.5") Pebble gravel

MIXED UNITS gs Gravelly sand (this is a special case for sand with lesser amounts of intermixed gravel, i.e. pebbly sand, cobbly sand, or bouldery sand)

sg Sand and gravel (used only to describe slumped face or other site

where relative abundances of sand vs. gravel are unknown). Undifferentiated sand, used as a general term. Can be subdivided

> **vcs** Very coarse sand (1-2 mm) (0.5-1 mm)**cs** Coarse sand (0.25-0.5 mm) **ms** Medium sand (0.125-0.25 mm) **fs** Fine sand (0.0625-0.125 mm) **vfs** Very fine sand

SILT st Silt (0.002-0.0625 mm) CLAY cy Clay (<0.002 mm)

by size as follows:

SAND

DIAMICTON

- Undifferentiated diamicton (poorly-sorted sediment in which particle sizes may range from clay to boulders). Used as a general
 - term or subdivided as follows: dg Gravelly-matrix diamicton
 - **ds** Sandy-matrix diamicton dt Silty-matrix diamicton dy Clayey-matrix diamicton

Note: Diamictons of glacial origin may be classified as one of the following varieties of till (shown on the map in parentheses):

- t Till, undifferentiated. Usually of late Wisconsinan age (deposited by the last glacial ice sheet). Ablation till. Deposited during retreat of the late
- Wisconsinan ice sheet. Typically sandy, stony, and not Lodgement till. Inferred to have been deposited at the
- base of the late Wisconsinan ice sheet. Usually very
- Flowtill. Deposited by slumping adjacent to glacial ice.
- Variably weathered till (usually a lodgment facies) of

ORGANIC **MATERIALS**

og Organic-rich sediment (can be any organic material, including forest litter, wood, shells, etc.)

inferred pre-late Wisconsinan age.

pt Peat (reserved for actual fibrous peat)

Unknown (material unidentified)

- **OTHER**
 - **bd** Scattered boulders; interpreted as till where followed by (t)
 - Bedrock (observed in pit floor, boring, or natural exposure) Rottenstone, disintegrated or weathered bedrock, saprolite,
 - Refusal (in test boring or well) Fossiliferous (used to indicate fossiliferous units within a

- **© 8s-b** Materials data from shovel hole, hand-auger hole, natural exposure, or excavation (other than borrow pit).
 - Depth to bedrock from well $(\geq$ is used to indicate minimum depth to bedrock), in feet below land surface
 - Drilled overburden well
 - Dug well

Bedrock well

- Driven point Observation well with materials data
- Test boring with materials data
- Borrow pit, recently active at time of mapping, with materials data. Borrow pit, evidently abandoned or in long disuse at time of mapping, with
 - materials data.
 - X
 - Location of site for which a data sheet is on file at the Maine Geological Survey. Depth to bedrock from seismic line, in feet below land surface
 - Bedrock outcrop

OTHER SOURCES OF INFORMATION

- 1. Locke, D. B. (compiler), 2008, Significant sand and gravel aquifers in the Caribou Lake North 7.5' quadrangle, Maine: Maine Geological Survey, Open-File Map 08-
- 2. Hanson, Lindley S., 1986, Reconnaissance surficial geology of the Ragged Lake 15' quadrangle, Maine: Maine Geological Survey, Open-File Map 86-36.
- 3. Thompson, W. B., and Borns, H. W., Jr., 1985, Surficial geologic map of Maine: Maine Geological Survey, scale 1:500,000.